

CHAPTER 1.0: INTRODUCTION

1.1 STATE MANDATE

The California State Legislature passed AB 797, the Urban Water Management Planning Act (Act) of 1983, which became effective January 1, 1984. The Act requires every urban water supplier providing water for municipal purposes to more than 3,000 customers, or supplying more than 3,000 acre-feet of water annually, to prepare and adopt an Urban Water Management Plan (UWMP). The act also requires urban water suppliers to update the UWMP in years ending in five and zero using a 25 to 30 year planning horizon. The City of La Habra, a water purchaser and provider, fits the defined criteria, and has prepared this UWMP addressing all the requirements set forth in the State of California Water Code Sections 10610 through 10657. The original City of La Habra UWMP was adopted by City Council action in December 1984, and was updated in December of 1995 and 2000. This UWMP fulfills the December 31, 2005 submittal deadline.

Since its passage, many amendments have been added to the Act. These changes are intended to encourage increased regional planning and the cooperative management of California's most precious commodity—water. As a result, UWMPs have evolved to become:

- Foundation documents and sources of information for Water Supply Assessments and Written Verification of Water Supply,
- Long range planning documents for water supply,
- Source data for the development of regional water plans,
- Source documents for cities and counties preparing their General Plans, and
- Key components of Integrated Regional Water Management Plans.

For La Habra, the benefits of updating the UWMP extend beyond legislative compliance. This document is a reference document intended to compliment other UWMPs by analyzing conservation issues and the water supply available to La Habra, both of which have unique characteristics within the La Habra service area. An effective Plan aimed at developing a greater level of water conservation, awareness, and reliability requires the coordinated efforts on key tasks by the Department of Water Resources (DWR), Metropolitan Water District of Southern California (Metropolitan), Municipal Water District

of Orange County (MWDOC), California Domestic Water Company (CDWC), City of Brea, and the City of Fullerton, along with the City of La Habra citizens. This document also summarizes the current and proposed water management activities performed by La Habra to provide dependable, adequate and safe water. The UWMP further identifies proposed projects with a description of resulting water costs, benefits, and implementation schedule.

Specifically, the goals of this plan are:

- To provide a local perspective on current and proposed water conservation programs,
- To review current conservation programs and efforts,
- To evaluate potential conservation methods and identify improvements, as appropriate to the La Habra programs,
- To provide a general framework for the development of mechanisms for coping with both short-term and long-term deficiencies in regional and/or local water supplies, and
- To serve as a flexible plan that can be updated periodically to reflect changes in regional and local trends, conditions and conservation policies (at least once every five years in accordance with Section 10621 and 10644 of AB 797).

In compliance with the State mandate and accordance with the best practices of water management, La Habra has prepared this UWMP. The Municipal Water District of Orange County (MWDOC) Regional Urban Water Management Plan is incorporated into this plan by reference.

1.2 REGULATORY CHANGES

The recent introduction of Senate Bill 610: Water Supply Assessments and Senate Bill 221: Written Verifications of Water Supply, places a much greater emphasis on developing an UWMP that will provide the basis for growth by ensuring an adequate water supply for proposed developments. The City of La Habra acknowledges the need to pay close attention to the projected growth and associated demands, as well as the projected availability of the water supply. La Habra has updated the UWMP to reflect the concerns associated with the aforementioned Senate Bills.

1.3 ORGANIZATION OF THE PLAN

The chapters in this UWMP have been organized to correspond to the outline of requirements in the Act, Specifically Article 2, “Contents of the Plan”, and Sections 10631, 10632, and 10633. Additionally, the sequence used to present the information may be different from that shown in the Act in order to present the material in a manner reflecting the unique conditions within the City of La Habra service area. This UWMP is organized according to the following chapters:

- Chapter 1 – Introduction
- Chapter 2 – Service Area Profile
- Chapter 3 – Water Supply System
- Chapter 4 – Past, Current, and Projected Water Demands
- Chapter 5 – Water Service Reliability
- Chapter 6 – Water Demand Management Measures
- Chapter 7 – Water Projects and Programs
- Chapter 8 – Water Shortage Contingency Plan
- Appendix A – 2005 Urban Water Management Plan City Council Adoption (To be supplied)
- Appendix B – California Urban Water Management Planning Act
- Appendix C – Senate Bill 610
- Appendix D – Senate Bill 221
- Appendix E – Emergency Water Management Program (Ordinance No. 1381)
- Appendix F – Water Conservation Requirements (Ordinance No. 1414)
- Appendix G – Statewide Water Awareness Month (Resolution No. 4099)
- Appendix H – Fees Pertaining to Water Usage/Connections (Resolution No. 5097)
- Appendix I – Population Characteristics
- Appendix J – 2005 Water Quality Report
- Appendix K – Draft Emergency Water Shortage Ordinance
- Appendix L – DWR Review Sheets
- Appendix M – UWMP Project Coordination

1.4 PLANNING AND COORDINATION

Risk Management Professionals has prepared this UWMP Update for the City of La Habra. The Project Team followed the California Department of Water Resources Guidebook recommended methodology to complete the UWMP and ensured that all tables on the DWR Worksheets were addressed and completed, as required by the DWR. The Project Team conducted a kick-off meeting to discuss the project timeline, scope, and the implementation of the 2000 UWMP, including the Demand Management Measures (DMM) and Recycled Water Plan. This meeting also served as a mechanism to collect information and verify the accuracy of existing documentation.

As part of the planning and coordination for the Urban Water Management Plan, the City of La Habra coordinated with neighboring cities and water agencies to ensure accurate projections. This coordination is briefly described below:

Coordination with MWDOC

MWDOC conducted three countywide coordination workshops and several surveys to facilitate the exchange of planning information with its member agencies. La Habra provided 25-year retail demand projections and a description of any planned development of local supplies. As required by *California Water Code* Section 10631(k), MWDOC provided La Habra information that quantifies water availability to meet their projected demands for the next 25 years, in five-year increments. Based on the projections of retail demand and local supplies completed by La Habra, and the imported supply availability described in Metropolitan's May 2005 Draft Urban Water Management Plan, MWDOC prepared an informational package with data specific to La Habra, that incorporated additional calculations for the required planning efforts. In the informational package, MWDOC quantified the reliability of the wholesale supplies from Metropolitan and the amount expected to be delivered to each agency during normal, single-dry, and multiple-dry years.

City of La Habra

In accordance with *California Water Code* Section 10621(b), La Habra notified the Cities of Brea, Fullerton and La Habra, the County of Orange, and CDWC of the opportunity to submit comments during the UWMP update process. MWDOC provided coordination to La Habra during the notification process with Metropolitan and other agencies within Orange County to ensure that notification was performed in an efficient manner.

California Domestic Water Company

Information was obtained from CDWC to develop supply projections and to confirm the currency of relevant information. This included verifying the additional supply available to La Habra after CDWD implemented a large capacity upsizing project.

Metropolitan Water District of Southern California

As a member agency of Metropolitan, MWDOC participated in all the workshops hosted by Metropolitan to facilitate the information exchange for the development of MWDOC's UWMP. To meet the requirement set forth by *California Water Code* Section 10631(k), MWDOC notified Metropolitan of the amount of water MWDOC, on behalf of La Habra, wishes to purchase over the next 25 years. MWDOC also worked with Metropolitan staff to develop demand projections using data from the Southern California Association of Governments (SCAG).

Public Community Involvement

The City of La Habra held a public hearing to solicit comments from the public on their Draft Urban Water Management Plan. An advertisement was published in a local newspaper for two consecutive weeks notifying the public of the opportunity to review the draft UWMP, retained by City Hall for public availability. Representatives of La Habra also attended a Community Information meeting conducted by MWDOC on August 18, 2005. The meeting was held to generate interest and encourage the public's participation in the planning process and to actively seek input from the broadest audience possible during the planning process.

Throughout the development of La Habra's UWMP, the RMP Project Team coordinated with representatives from MWDOC, the Cities of La Habra, Brea, Fullerton, and other relevant agencies to ensure consistency and accuracy of La Habra's UWMP with area, regional, and basin wide plans. The Project Team to supplied MWDOC with projections for La Habra's water demand, and incorporated information obtained from the regional coordination into La Habra's UWMP. Table 1.4-1: Coordination with Appropriate Agencies demonstrates these efforts.

Table 1.4-1: Coordination with Appropriate Agencies			
Agency	Participated in UWMP	Commented on the Draft	Attended Public Meetings
City of La Habra		√	
La Habra Public Works	√	√	
Metropolitan			
CDWC			
MWDOC	√		
Risk Management Professionals	√		√
City of Fullerton			
City of Brea			
SWS			

Table 1.4-1 (Continued): Coordination with Appropriate Agencies				
Agency	Contacted for Assistance	Received Copy of Draft	Sent Notice of Intention to Adopt	Not Involved / No Information
City of La Habra	√	√	√	
La Habra Public Works	√	√		
Metropolitan			√	
CDWC	√		√	
MWDOC	√		√	
Risk Management Professionals				
City of Fullerton			√	
City of Brea			√	
SWS			√	

After collecting the information, the Project Team conducted additional research and reviewed the provided documentation, including the following:

- City of La Habra 2000 Urban Water Management Plan,
- 2002 Water System Master Plan,
- 2005 Water Master Plan Update,
- Sewer Master Plan,
- 2005 Water Quality Report,
- Orange County Water Agencies Water Rates, Water System Operations, and Financial Information Survey,
- Municipal Water District of Orange County 2005 Regional UWMP,
- Distribution system and hydrology maps,
- Demographic information, and
- Billing records.

Since water supply infrastructure is a complicated network of interconnected water agencies, extensive coordination with regional and wholesale agencies was necessary to ensure that important information was exchanged and documents reviewed by all interested parties. The Project Team regularly attended meetings held by the MWDOC to properly coordinate the information exchange.

The water service reliability assessment was developed by comparing the projected supply and demand over the next twenty years, in five-year increments. This comparison was completed for normal, single-dry, and multiple-dry water years to plan and prepare for realistic water supply scenarios. In addition, factors resulting in inconsistent supply (i.e., water quality, climate, legal, and environmental) were identified and described. The water service reliability assessment did not identify any gaps between the projected demand and the availability of water to meet that demand. In addition, the Project Team described current or planned water supply projects that will increase La Habra's water supply to meet the growing demands. The description discusses opportunities for projects including any desalination, recycled water, and transfer or exchange opportunities.

The Project Team analyzed the Demand Management Measures and discussed the implementation status. For Demand Management Measures that are not implemented or planned for implementation, the Project Team performed a cost–benefit analysis and provided extensive documentation regarding the reasoning behind the non–implementation.

In addition, the water shortage contingency plan addressed the stages of action during a potential water shortage and the associated consumption reduction methods, penalties, and monitoring procedures. The Project Team also addressed supply shortages due to catastrophic incidents (i.e., earthquake, regional power outage, and terrorism) and the steps that will be taken to economically recover from the incident.

Toward the conclusion of the project, drafts of the 2005 UWMP Update Report were developed and a quality control review was conducted by the Project Team before distribution of the final report.